

Response
Application No. 10/770,394
Attorney Docket No. 042076

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

LISTING OF THE CLAIMS:

Claim 1 (Currently Amended): An active drive type light emitting display device in which a large number of light emitting display pixels each of which at least comprises a light emitting element and a drive TFT imparting that allows a drive current to flow to the light emitting element are arranged, wherein the active drive type light emitting display device is constructed in such a way that a plurality of measuring pixels each of which at least comprising a measuring element and a drive TFT imparting that allows a drive current to flow to the measuring element are further arranged in the light emitting display device so that a forward voltage of the measuring element constructing the measuring pixel can be picked up from a power supply line of the measuring pixel.

Claim 2 (Original): The active drive type light emitting display device according to claim 1, wherein the respective light emitting display pixels are arranged in a matrix pattern at intersection point positions between data lines and control lines, that the measuring pixels are arranged forming a line along one data line, and that the control lines utilized in the measuring pixels and the control lines utilized in the light emitting display pixels are shared.

Claim 3 (Original): The active drive type light emitting display device according to claim 1 or 2, wherein an operating power supply for the measuring pixels is a constant current source.

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Claim 4 (Original): The active drive type light emitting display device according to claim 3, wherein the active drive type light emitting display device is constructed in such a way that the current value of the constant current source is variable.

Claim 5 (Original): The active drive type light emitting display device according to claim 3, wherein the active drive type light emitting display device is constructed in such a way that the forward voltage of the measuring element constructing the measuring pixel is obtained between the constant current source and the measuring pixel.

Claim 6 (Original): The active drive type light emitting display device according to claim 4, wherein the active drive type light emitting display device is constructed in such a way that the forward voltage of the measuring element constructing the measuring pixel is obtained between the constant current source and the measuring pixel.

Claim 7 (Original): The active drive type light emitting display device according to claim 1, wherein a power supply circuit which controls a power supply voltage applied to the light emitting display pixels based on a forward voltage obtained by the measuring element constructing the measuring pixel.

Claim 8 (Original): The active drive type light emitting display device according to claim 1, wherein at least the light emitting element in the light emitting display pixel is constituted by an organic EL element in which an organic compound is employed in a light emitting layer.

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Claim 9 (Currently Amended): A drive control method for an active drive type light emitting display device in which a large number of light emitting display pixels each of which at least comprises a light emitting element and a drive TFT imparting that allows a drive current to flow to the light emitting element are arranged and further in which a plurality of measuring pixels each of which at least comprises a measuring element and a drive TFT imparting that allows a drive current to flow to the measuring element are arranged, wherein the drive control method for the active drive type light emitting display device executes the step of driving the measuring element constructing the measuring pixel, the step of obtaining a forward voltage of the measuring element in from a power supply line of the measuring pixel, and the step of controlling a drive voltage applied to the light emitting display pixel based on the forward voltage.

Claim 10 (Original): The drive control method for the active drive type light emitting display device according to claim 9, wherein a constant current source is utilized as an operating power supply for the measuring pixels and that the current value of the constant current source is varied in response to the light emission intensity of the light emitting element.

Claim 11 (Original): The drive control method for the active drive type light emitting display device according to claim 9 or 10, wherein the drive TFT constructing the measuring pixel is operated in a linear region.

Claim 12 (Original): The drive control method for the active drive type light emitting display device according to claim 11, wherein the drive TFT constructing the light emitting display pixel is operated in a saturation region at a predetermined gate voltage.

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Claim 13 (New): The active drive type light emitting display device according to claim 1, wherein the measuring element is the same kind of light emitting element as the light emitting element and that the measuring element comprise a shield which cut off light towards a display surface.